

## SECTION 2 - PIXEL MATRIX MODULE

### 8.2.1 GENERAL

- 8.2.1.1 Each PMM shall consist of 40 Pixels (Incandescent or Xenon lamps in associated lamp sockets and reflectors), module panel, 4 - TSD No. 2, and Connectors CAP and CBP. Each PMM shall be interchangeable.
- 8.2.1.2 Each PMM shall be secured to the sign support framing at each of its four corners by the TSD No. 2 Devices.
- 8.2.1.3 All PMM wiring shall be No. 22 AWG or larger.

### 8.2.2 PIXELS

#### 8.2.2.1 OPTION 1 - INCANDESCENT

##### Model 500

Each lamp shall be Type 25A15/RFL incandescent with medium brass screw base and rated at 130 VAC, 25 watt, with a minimum 2500 hours rated life at 130 VAC or equal.

##### Models 510 & 520

Each lamp shall be Type 25R12N incandescent with intermediate brass screw base and rated at 120 VAC, 25 watt, with a minimum 1500 hours rated life and 200 lumens at 120 VAC; or equal.

Each lamp socket shall be a brass screw base rated 75W at 125 VAC with tabs to accommodate PMM wiring.

Each Lamp and Socket or Pixel shall be rated for outdoor usage, direct weather environment and vibration resistant.

#### 8.2.2.2 OPTION 2 - XENON

##### Models 500, 510 & 520

Each lamp shall be CHICAGO MINIATURE Type 1524X or THHC Type 2472X-2, or equal (rated at 7.2 watts at 24 VAC).

The Reflector can either be individual for each pixel or a mold for the entire Pixel Matrix Module. The PMM shall be sealed to prevent any water or dust from coming in direct contact with the reflector or the lamp.

Each lamp socket shall be a brass wedge base rated 20W at 28 VAC with tabs to

accommodate PMM wiring.

Each Lamp and Socket shall be rated for outdoor usage, direct weather environment and vibration resistant.

### 8.2.3 MODULE PANEL

The panel shall be fabricated from 1.588mm (0.0625 inch) minimum thick aluminum sheet. After fabrication the panel and support shall be treated with a black color according to Section 5 - Structures and Housing Surface Treatment Requirements.